



# MNR-18N04000A

SKU: 233903



Hybrid HD Video Recorder 4-channel analogue, 2-ch. IP, HDMI, 1xSATA, w/o HDD

## Main Features

4-channel pentaplex multisignal recorder

Supports IP, HD-TVI, AHD, CVBS signals

Max. 6 channels (4x analog + 2x IP)

Recording speed 28fps@8MP,48fps@5MP,120fps@2MP

Monitor outputs HDMI (4K),VGA and spot monitor CVBS

Maximum 1 internal hard disk possible

PTZ control via coaxial (UTC)

Audio/alarm inputs and outputs

USB 2.0 and RS-485 interface

Compression methods: H.264, H.265

Remote access via app, browser and CMS

USB mouse included

## Specifications

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Series         | eneo IN-Series                                                             |
| Video:         |                                                                            |
| Signal format  | IP @ 8MP,HD-TVI @ 8MP,Composite (FBAS),AHD @ 8MP                           |
| Compression    | H.264,H.265                                                                |
| Display:       |                                                                            |
| Playback       | full screen,4 channel split                                                |
| Zoom functions | in full screen mode (live and playback operation)                          |
| Live display   | 28fps @ 3840x2160 ,48fps @ 2592x1944,60fps @ 2592x1520 ,120fps @ 1920x1080 |
| Video standard | PAL, NTSC (Auto detection)                                                 |

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## Continuation of the specifications

|                               |                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recording:                    |                                                                                                                                                                                       |
| Operation mode                | Pentaplex                                                                                                                                                                             |
| Max. recording resolution     | 3840x2160                                                                                                                                                                             |
| Recording speed               | 28 fps @ 3840x2160 ,48 fps @ 2560x1920 ,60 fps @ 2560x1440 ,120 fps @ 1920x1080                                                                                                       |
| Recording rate max.           | 120 fps, @1920x1080                                                                                                                                                                   |
| Recording                     | permanent,manual,movement,AI,event                                                                                                                                                    |
| Pre-alarm recording           | up to 5sec.                                                                                                                                                                           |
| Post-alarm recording          | up to 5min.                                                                                                                                                                           |
| Functions:                    |                                                                                                                                                                                       |
| Motion detector               | Free selectable areas                                                                                                                                                                 |
| Analysis functions            | The recorder hardware (on board) provides the following analysis functions for analog cameras,obstruction detection,intrusion,Line detection,Object classification (person / vehicle) |
| Alarm notification            | e-mail notification,alarm output,remote software,Live Popup,Spot Popup,Buzzer,FTP,PTZ Preset,Push (Mobile)                                                                            |
| Alarm triggers                | contact,motion detection,video loss,disk error,AI                                                                                                                                     |
| Password protection           | administrator & users                                                                                                                                                                 |
| HDD hotswap                   | no                                                                                                                                                                                    |
| Menu languages                | English,German,French,Spanish,Italian,Russian,Portuguese,Polish,Turkish,Romanian,Danish,Dutch,Finnish,Bulgarian,Greek,Japanese,Korean,Thai,Arabic,Hebrew,Hindi                        |
| Remote access                 | Microsoft Internet Explorer,remote software                                                                                                                                           |
| Mobile access                 | iPhone,Android OS                                                                                                                                                                     |
| Search function               | date/time,event,text,Thumbnail,Instant Playback                                                                                                                                       |
| Time synchronization          | NTP                                                                                                                                                                                   |
| Covert camera mode            | yes                                                                                                                                                                                   |
| Network:                      |                                                                                                                                                                                       |
| Network                       | 10/100 Base-Tx, RJ45                                                                                                                                                                  |
| Network protocols             | TCP/IP,DHCP,RTP,RTSP,SMTP,NTP,HTTP,HTTPS,FTP,DDNS,UPnP,DNS,SNMP                                                                                                                       |
| Data transfer rate max.       | 48 Mbps                                                                                                                                                                               |
| Data transfer rate incoming   | 12 Mbps                                                                                                                                                                               |
| Data transfer rate outgoing   | 36 Mbps                                                                                                                                                                               |
| Interfaces / Inputs/ Outputs: |                                                                                                                                                                                       |
| IP channels                   | 2 (6 IP only)                                                                                                                                                                         |
| Channels total                | 6                                                                                                                                                                                     |
| Video inputs                  | BNC-female,automatic resolution and signal detection                                                                                                                                  |
| Video inputs (amount)         | 4                                                                                                                                                                                     |
| Main video outputs            | HDMI (4K),VGA                                                                                                                                                                         |

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## Continuation of the specifications

|                             |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| Spot monitor                | composite (CVBS)                                                                                |
| Interfaces external storage | USB, 1x eSATA, 1x NetHDD (SMB, NFS), Google Drive, Dropbox                                      |
| Alarm inputs                | 4                                                                                               |
| Alarm outputs               | 1                                                                                               |
| Audio inputs                | 4, RCA                                                                                          |
| Audio output                | RCA                                                                                             |
| Serial interfaces           | RS-485, Coaxitron (HD Protocol)                                                                 |
| Serial interfaces protocols | Pelco D, Pelco P, coax1, coax2                                                                  |
| Operating system            | Linux                                                                                           |
| General:                    |                                                                                                 |
| Dimensions (HxWxD)          | 300X227X53mm                                                                                    |
| Weight                      | 1,03kg                                                                                          |
| 19" rack mount              | no                                                                                              |
| HDD slots                   | 1x SATA                                                                                         |
| Control units (external)    | mouse                                                                                           |
| Colour                      | black                                                                                           |
| Internal HDD capacity       | 0 TB                                                                                            |
| Max. internal HDD capacity  | 10 TB                                                                                           |
| Housing                     | Metal/Plastic                                                                                   |
| Integrated writer           | no                                                                                              |
| Power consumption           | 4.7W, without HDD                                                                               |
| Blower                      | no                                                                                              |
| ONVIF                       | yes, ONVIF Profile S                                                                            |
| RAID                        | n/a                                                                                             |
| Operating temperature       | 0°C ~ +40°C                                                                                     |
| Parts supplied:             |                                                                                                 |
| Parts supplied              | manuals, PSU, HDD assembly-kit, mouse                                                           |
| Remarks                     | NDAA compliance under Section 889, Part A.                                                      |
| Special features            | Channels can be assigned with IP or different HD / SD signal formats (mixed operation possible) |

## Optional Accessory

| SKU    | Name                         | Description                                                    |
|--------|------------------------------|----------------------------------------------------------------|
| 234989 | eneo INsight                 | Control software for recorder IN- and MN-series                |
| 236197 | eneo INsight Evidence Locker | For the research of HDD's for recorders of IN-series           |
| 236196 | eneo INsight Evidence Player | For replay of exported data for recorder IN-series IN-Serie    |
| 234990 | eneo INsight mobile          | Mobile App for recorder IN- and MN-series                      |
| 217658 | HDD-2000SATA Purple          | Hard Disk Drive 2TB, SATA, for eneo Video Recorders, expansion |

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## Continuation of accessory

|        |                     |                                                                |
|--------|---------------------|----------------------------------------------------------------|
| 217657 | HDD-3000SATA Purple | Hard Disk Drive 3TB, SATA, for eneo Video Recorders, expansion |
| 217659 | HDD-4000SATA Purple | Hard Disk Drive 4TB, SATA, for eneo Video Recorders, expansion |
| 217660 | HDD-6000SATA Purple | Hard Disk Drive 6TB, SATA, for eneo Video Recorders, expansion |
| 234995 | INR-eSATA           | HDD Box, eSATA, für max 4 HDD max. 8TB pro HDD, ohne HDD       |



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